

Patent Application 09/900,146 Attorney Docket No.: 57983.000028 Client Reference No.: 12897ROUS01U

TED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James Aweya et al.

Appln. No.: 09/900,146

Filed: July 9, 2001

For: QUEUE MANAGEMENT MECHANISM

FOR PROPORTIONAL LOSS RATE

DIFFERENTIATION

: Group Art Unit: 2663

: Examiner: Unassigned

Assistant Commissioner for Patents Washington, D.C. 20231



PATENT TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty under 37 C.F.R. § 1.56 of each individual associated with the filing and prosecution of the above-identified patent application (hereinafter, "associated individuals") to disclose all information known individual to be material to patentability, Applicant(s) hereby (modified) listing cited submits attached Form PTO-1449 This submission is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent

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Examining Procedure.

cited references, while believed to be of relevance, are not necessarily considered to teach or suggest any aspect of the invention described and claimed in the aboveidentified patent application. Applicant(s) hereby expressly reserves the right to swear behind the effective dates of any of the cited references. Applicant(s) further reserves the right to question the relevance, materiality, and/or prior art status of any of the cited references in whole, in part, or combination, subsequent to the filing of this information disclosure statement. This information disclosure statement is also not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. Rather, this information disclosure statement discloses only the best references of which the associated individuals are aware.

The Examiner is respectfully requested to consider each of the cited references, to indicate such consideration by initialing in the space provided next to each cited reference on the enclosed Form PTO-1449 (modified), to sign the initialed Form PTO-1449 (modified), and to return a copy of the same with the next communication to the Applicant(s).

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In accordance with 37 CFR § 1.97(b), this information disclosure statement is being filed (i) within three months of the filing date of the above-identified patent application; (ii) within three months of the date upon which the above-identified patent application entered the national stage as set forth in 37 CFR § 1.491; or (iii) before the mailing date of a first Office Action on the merit for the above-identified patent application. Accordingly, no statement or fee is required.

Please charge any shortage in fees due in connection with the filing of this communication to Deposit Account No. 50-0206, and please credit any excess fees to such deposit account.

Respectfully submitted,

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Date: October 26, 2001

Substitute for form 1449A/PTO

Approved for a through 10/31/2002. OMB 0651-0031

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Complete if Known **Application Number** 09/900.146 Filing Date 07-09-2001 First Named Inventor James Aweya et al. Group Art Unit 2663 **Examiner Name** Unassigned 57983 000028 nev Docket Number

Sheet	1	of		Attorney Doc	ket Number	57983	.000028		
U.S. TENT DOCUMENTS									
Examiner Initials *	Cite No. ¹	U.S. Paten	t Document	RADE Name of Patentee or	Date of Publication of Cited Document MM-DD-YYYY	ation of	Pages, Columns, Lines, Where		
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	P1	C. Dovrolis and P. Ramanathan, "A Case for Relative Differentiated Services and the Proportional Differentiated Model", IEEE Network, Sept./Oct. 1999, pp. 26-34	Technology				
	P2	C. Dovrolis, D. Stilliadis, and P. Ramanathan, "Proportional Differentiated Service: Delay Differentiation and Packet Scheduling". Proc. ACM SIGCOMM'99, 1999, pp.109-120	N. KBOIG				
	P3	C. Dovrolis and D. Stilliadis, "Relative Differentiated Service in the Internet: Issues and Mechanisms", Proc. ACM . SIGMETRICS'99, 1999	benter 2000				
	P4	C. Dovrolis and P. Ramanathan, "Proportional Differentiated Services, Part II: Loss rate Differentiation and Packet Dropping", Proc. 2000 Int. Workshop on Quality of Service (IWQoS), Pittsburg PA, June 2000	2000				
	P5	S. Floyd and V. Jacobson, "Random Early Detection Gateways for Congestion Advoidance", IEEE/ACM Trans. Networking, VOL. 1, No. 4, Aug. 1993, pp. 397-413					
	P6	B. Braden, D. Clark, J. Crowcroft, B. Davie, D. Estrin, S. Floyd, V. Jacobson, G. Minshall, C. Partridge, L. Peterson, K. K. Ramakrishnan, S. Shenker, J. Wroclawski, L. Zhang, "Recommendations on Queue Management and Congestion Advoidance in the Internet", IETF RFC 2309, Apr. 1998					
	P7	S. Blake et al., "An Architecture for Differentiated Services", IETF RFC 2475, Dec. 1998					
	P8	G. F. Franklin, J. D. Powell and A. Emami-Naeini, "Feedback Control of Dynamic Systems", Addison-Wesley Reading, Massachusetts, 1994					

Examiner Signature	Date Considered	

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